

Calfed Quarterly Report
June 30, 1999

Project Title: San Joaquin River Basin Chinook Salmon Genetic Baseline and Discrimination

CALFED Project: #

CALFED Contract: # B81643 (97-009)

DFG Contract: #FGR8954-R4

Project Manager: George Neillands

Department of Fish and Game, SJVSSR

P.O. Box 10

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Phase/Year - 1

Task 1. CDFG will negotiate a sub-contract to perform the genetic analysis of the tissue samples collected during DFG chinook salmon spawning escapement surveys. Deliverables to CALFED:

- (1) Approved copies of Interagency Agreement from General Services **In-progress.**

Deliverables to CDFG:

- (a) Report on developing new micro-satellite markers
- (b) Report on testing all available micro-satellites for discriminatory power between San Joaquin and Sacramento fall-run stocks.
- (c) Report on determining the micro-satellite loci to be used in Phases 2 and 3 to establish baseline for San Joaquin Stocks.

The actual CALFED Agreement No. **FGR 8954-R4** was not completely signed off and approved by both parties until early in 1999, which was not anticipated. The InterAgency Agreement (Sub-task 1) was to be negotiated during fall 1998. The initiation of work on this Sub-task was delayed until early 1999 and still is not completed. In addition, work on Sub-tasks 2 and 3 were precluded until the fall of 1999.

To date, the InterAgency Agreement (Sub-task 1) that we are developing with Dr. Bernie May, at the Genomic Variation Lab at U.C. Davis is still being reviewed by the California Department of Fish and Game's Administrative Branch and is not likely to be approved by the Department until sometime in July. After which the U.C. Davis Administration must review the document and sign off on it and then it will need to go back to the State's General Services for final approval before work can proceed with work in this Sub-task.

Recent e-mails with Dr. Bernie May have indicated that he could proceed with his "Scope of Work" as soon as the InterAgency Agreement is approved by all parties. He has indicated that he can use the limited fin ray tissue samples collected by the Department in fall 1998 to initiate work prior to our field collection of appropriate sample sizes from this falls spawning escapement.

Because of these delays the Department is formally requesting to the CALFED Program a change in our schedule of work and the deliverables for Sub-tasks 1 through 3. We are requesting to change the schedule of work for Sub-task 1 to August, 1999 through July, 2000, and work on Sub-task 2 to October, 1999 through December, 1999, and work on Sub-task 3 to January, 2000 through March, 2000.

The new schedule of deliverables under the InterAgency Agreement, Sub-task 1, will be for Sub-task 1a - develop new micro-satellite markers, August 1, 1999 to December 31, 1999, Sub-task 1b - test all available micro-satellites for discriminatory power between San Joaquin and Sacramento fall-run chinook salmon stocks, January 1, 2000 to May 31, 2000, and Sub-task 1c - determine micro-satellite loci to be used in phases 2 and 3 to establish baseline for San Joaquin salmon stocks, June 1, 2000 to July 30, 2000.

The new schedule of deliverables for Sub-task 2 - collection of fin ray samples will be October 15, 1999 to December 31, 1999. The schedule of deliverables for Sub-task 3 - compile and analyze the spawning escapement data will be January 1, 2000 to March 30, 2000.

Task 2. CDFG will collect tissue samples from fresh adult carcasses recovered during the spawning escapement surveys in the San Joaquin River Basin tributaries. Deliverables to CALFED::

- (1) Copies of genetic sample data sheets.
- (2) Tissues archived in the Central Valley Bay/Delta Chinook Salmon Archive

Rescheduled

Task 3. CDFG will then compile and analyze the spawning escapement survey data. Deliverables to CALFED::

- (1) Weekly summary of genetic samples by location, and hatchery vs. natural.
- (2) Preliminary spawning escapement estimates.
- (3) Preliminary spawning escapement report, which will include the estimate of total escapement in each tributary, timing of spawning, summary of adult and grilse contributions, sex ratios, ageing from scale samples, length, and natural vs hatchery contribution.

Rescheduled

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Task to be completed	Budget	Expenditures Accrued this Quarter	Expenditures Accrued to Date	Remaining Balance	Projected Next Quarter
1. IA Agreement	<u>\$116,620</u>	\$ 0	\$ 0	<u>\$116,620</u>	\$ <u>28,182.50</u>
a. develop new markers	\$ 56,385	\$ 0	\$ 0	\$ 56,385	\$ 28,182.50
b. test all avail m-sat	\$ 30,235	\$ 0	\$ 0	\$ 30,235	\$ 0
c. determine m-sat used	\$ 9,564	\$ 0	\$ 0	\$ 9,564	\$ 0
2. Adult tissue collection	\$12,381	\$ 0	\$ 0	\$12,381	\$ 0
3. Prel. spawning escapement report	\$ nc	\$ nc	\$ nc	\$ nc	\$ nc